

In the Claims

1. (Currently amended) A method comprising:

receiving a block of transform domain coefficients and corresponding error flags,
wherein at least one coefficient is erroneous due to transmission of the coefficients;

estimating an initial value for each erroneous coefficient;

decoding pixel values of the block using the initial values of the coefficients to
create predicted decodings of the pixel values where there are errors and using received
values of the coefficients to create partial decodings of the pixel values where there are no
errors;

updating the value for each erroneous coefficient based on the partial and
predicted decodings of the block; and

updating pixel values of the block using the updated values of the coefficients.

2. (Original) The method of claim 1, wherein estimating an initial value further comprises
estimating the expected value of each erroneous coefficient.

3. (Previously presented) The method of claim 1, wherein decoding pixel value further
comprises applying the transform domain coefficients to an inverse transform.

4. (Original) The method of claim 1, wherein updating the value for each erroneous
coefficient further comprises minimizing a least squares equation.

5. (Original) The method of claim 1 further comprising:

displaying the updated pixel values.

6. (Currently amended) An apparatus comprising:

means for receiving a block of transform domain coefficients and corresponding
error flags, wherein at least one coefficient is erroneous due to transmission of the
coefficients;

means for estimating an initial value for each erroneous coefficient;

means for decoding pixel values of the block using the initial values of the coefficients to create predicted decodings of the pixel values where there are errors and using received values of the coefficients to create partial decodings of the pixel values where there are no errors;

means for updating the value for each erroneous coefficient based on the partial and predicted decodings of the block; and

means for updating pixel values of the block using the updated values of the coefficients.

7. (Original) The apparatus of claim 6, wherein said means for estimating an initial value further comprises means for estimating the expected value of each erroneous coefficient.

8. (Previously presented) The apparatus of claim 6, wherein said means for decoding pixel values further comprises means for applying the transform domain coefficients to an inverse transform.

9. (Original) The apparatus of claim 6, wherein said means for updating the value of each erroneous coefficient further comprises means for minimizing a least squares equation.

10. (Original) The apparatus of claim 6 further comprising:
means for displaying the updated pixel values.

11. (Currently amended) A computer readable medium having instructions which, when executed by a processing system, cause the system to:

receive a block of transform domain coefficients and corresponding error flags,
wherein at least one coefficient is erroneous due to transmission of the coefficients;

estimate an initial value for each erroneous coefficient;

decode pixel values of the block using the initial values of the coefficients to create predicted decodings of the pixel values where there are errors and using received values of the coefficients to create partial decodings of the pixel values where there are no errors;

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update the value for each erroneous coefficient based on the partial and predicted
decodings of the block; and
update pixel values of the block using the updated values of the coefficients.

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12. (Original) The medium of claim 11, wherein the executed instructions further cause the system to:
estimate the initial value by estimating the expected value of each erroneous coefficient.

13. (Previously presented) The medium of claim 11, wherein the executed instructions further cause the system to:
decode pixel values by applying the transform domain coefficients to an inverse transform.

14. (Original) The medium of claim 11, wherein the executed instructions further cause the system to:
update the value for each erroneous coefficient by minimizing a least squares equation.

15. (Original) The medium of claim 11 wherein the executed instructions further cause the system to:
display the updated pixel values.